

Rabbit anti-Human LIV-1 Monoclonal Antibody | anti-LIV-1 antibody

Anti-LIV-1 antibody (DMC488); IgG1 Chimeric mAb

CATALOG # AAA129414	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

LIV-1; Monoclonal Antibody; Anti-LIV-1 antibody (DMC488); IgG1 Chimeric mAb; LIV1; SLC39A6; ZIP-6; anti-LIV-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/Human Fc chimeric IgG1
Clone Number	DMC488
Purity/Purification	Purified from cell culture supernatant by affinity chromatography
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization.
Concentration	1.05 mg/ml (varies by lot)
Applicable Applications for anti-LIV-1 antibody	FCM/FACS (Flow Cytometry)
Conjugate	Unconjugated
Reconstitution	1. Before opening the tube cap, centrifuge the sample tube at 5000g for 3-5 min at room temperature to ensure the lyophilized sample to settle down at the bottom of the tube. 2. Dissolved lyophilized antibody sample in sterile and low endotoxin water based on the recommended volume 95.24 μl. 3. After adding sterile water, cover the lid and mix them by gently tapping the tube for 5-10 times. Note: Do not vortex or vigorously pipette sample.
Preparation and Storage	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C for 3 months under sterile conditions (Avoid repeated freezing and thawing).

IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow cytometry analysis of antigen binding of anti-human LIV-1 mAb(AAA129414). (A) AAA129414 does not bind to CHO-S cells that do not express LIV-1. (B) A clear peak shift of AAA129414 was seen compared to the control when incubated with LIV-1-expressing Raji cells, indicating strong binding of AAA129414 to LIV-1. Antibodies were incubated at 5 μ g/mL.



FCM/FACS (Flow Cytometry)

Figure 1. Flow cytometry analysis with 1 μ g/mL Anti-LIV-1 (DMC488) mAb on RPMI 8226 cell line.

ADDITIONAL INFORMATION

Related Product Information for anti-LIV-1 antibody	Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A6 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]
Product Categories/Family for anti-LIV-1 antibody	mAb 420; monoclonal antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	292495066
NCBI GeneID	25800
UniProt Accession #	Q13433; Q8IXR3; Q96HP5; B4DR49; B4E224
Molecular Weight	755
NCBI Official Full Name	Zinc transporter ZIP6
NCBI Official Synonym Full Names	solute carrier family 39 (zinc transporter), member 6
NCBI Official Symbol	SLC39A6
NCBI Official Synonym Symbols	LIV-1
NCBI Protein Information	zinc transporter ZIP6; ZIP-6; zrt- and Irt-like protein 6; estrogen-regulated protein LIV-1; LIV-1 protein, estrogen regulated; solute carrier family 39 member 6; solute carrier family 39 (metal ion transporter), member 6
UniProt Protein Name	Zinc transporter ZIP6
UniProt Gene Name	SLC39A6
UniProt Synonym Gene Names	LIV1; ZIP6; ZIP-6
UniProt Entry Name	S39A6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/liv-1-antibody-clone-dmc488-flow-cytometry-elisa/129414>